Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/17/2021 12:01 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124285	-1	1.16	124166	1.20
Blue	F	SSC	125000	123910	-1	2.12	124269	2.07
Blue	E	FITC	13131	12656	-4	2.24	292	15.68
Blue	D	PE	24112	23792	-2	1.69	546	10.67
Blue	B	PerCP-Cy5-5	31295	30619	-3	2.99	1012	14.39
Blue	A	PE-Cy7	19939	19660	-2	5.10	522	28.70
Red	C	APC	42122	41569	-2	2.88	1745	11.17
Red	A	APC-Cy7	22340	21707	-3	3.18	814	11.52
Violet	B	V450	7410	7019	-6	3.36	424	12.53
Violet	A	V500	28118	27121	-4	2.92	677	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23093	1.22	562	-7	N/A	N/A	Pass
Blue	F	SSC	57684	1.07	516	4	N/A	N/A	Pass
Blue	E	FITC	53	54.62	485	-2	0.0400	73	Pass
Blue	D	PE	115	36.16	488	0	0.4065	279	Pass
Blue	B	PerCP-Cy5-5	189	35.14	585	-1	0.0202	54	Pass
Blue	A	PE-Cy7	106	66.33	628	0	0.0228	0	Pass
Red	C	APC	404	23.22	578	2	0.0290	157	Pass
Red	A	APC-Cy7	182	27.68	552	1	0.0065	1282	Pass
Violet	B	V450	60	62.82	454	1	0.0604	2230	Pass
Violet	A	V500	98	37.06	467	2	0.0299	1624	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.97	-31.76	1.03
Blue	20.35	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.40
Red	15.41	13.60 - 20.40	N/A	N/A	30.35	30.42	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10898

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments